

Mouse Epoxide Hydrolase 4 (EPHX4) ELISA Kit | EPHX4 elisa kit

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CATALOG #
AAA187976

REACTIVITY
Mouse

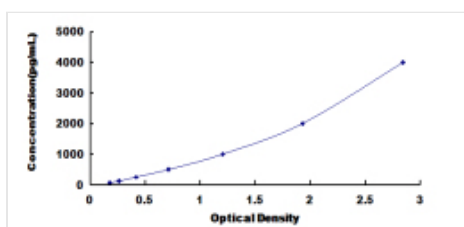
PRODUCT SYNONYMS

Epoxide Hydrolase 4 (EPHX4); Mouse Epoxide Hydrolase 4 (EPHX4) ELISA Kit; ABHD7; EPXHRP; Abhydrolase Domain Containing 7; Epoxide hydrolase-related protein; EPHX4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Epoxide Hydrolase 4 (EPHX4). No significant cross-reactivity or interference between Epoxide Hydrolase 4 (EPHX4) and analogues was observed.
Sequence Length	362
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	62.50-4000pg/mL
Sensitivity	< 27.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Epoxide Hydrolase 4 (EPHX4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Epoxide Hydrolase 4 (EPHX4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPHX4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Epoxide Hydrolase 4 (EPHX4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Epoxide Hydrolase 4 (EPHX4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Epoxide Hydrolase 4 (EPHX4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Epoxide Hydrolase 4 (EPHX4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218777837
NCBI GeneID	253152
NCBI Accession #	NP_775838.3
NCBI GenBank Nucleotide #	NM_173567.4
UniProt Accession #	Q8IUS5; Q8NCC6
Molecular Weight	42,324 Da
NCBI Official Full Name	epoxide hydrolase 4
NCBI Official Synonym Full Names	epoxide hydrolase 4
NCBI Official Symbol	EPHX4
NCBI Official Synonym Symbols	EH4; ABHD7; EPHXRP
NCBI Protein Information	epoxide hydrolase 4
UniProt Protein Name	Epoxide hydrolase 4
UniProt Gene Name	EPHX4
UniProt Synonym Gene Names	ABHD7; EH4; EPHXRP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.